

State Injury Indicators



Hip Fracture Hospitalizations in Persons Aged 65 Years and Older

Category:	Fall-Related Indicators
Demographic Group:	All residents aged 65 years and older.
Numerator:	Hospitalizations with the following ICD-9-CM diagnostic code: 820 (Fracture of neck of femur). These should be identified by searching all diagnostic fields of the injury hospital discharge subset.
Denominator:	Midyear population of those 65 years and older for the calendar year under surveillance.
Measures of Frequency:	Annual number of persons hospitalized. Annual incidence—crude.
Period for Case Definition:	Calendar year.
Background:	In 2004, there were an estimated 289,000 hospital admissions for hip fractures in people 65 years and older.* Up to 25% of adults who lived independently before their hip fracture have to stay in a nursing home for at least a year after their injury** and as many as 20% of hip fracture patients die within a year of their injury.***
Limitations of Indicator:	Injuries that result in a hospital admission represent only a portion of the overall burden of injury. Evaluations of these injuries should be considered in the context of both less- and more-severe injuries.
Data Resources:	State hospital discharge data (numerator) and population estimates from the U.S. Census Bureau or suitable alternative (denominator).
Limitations of Data Resources:	The accuracy of indicators based on codes found in hospital discharge data is limited by the completeness and quality of coding.
Healthy People 2010 Objectives:	15-28: Reduce hip fractures among older adults
CDC's Health Protection Goals:	Healthy People in Every Stage of Life: Live Better, Longer Healthy People in Healthy Places: Healthy Communities Healthy People in Healthy Places: Healthy Homes Healthy People in Healthy Places: Healthy Healthcare Settings Healthy People in Healthy Places: Healthy People in Hea

*Kozak LJ, DeFrances CJ, Hall MJ. National Hospital Discharge Survey: 2004 annual summary with detailed diagnosis and procedure data. National Center for Health Statistics. Vital Health Stat 13(162). 2006. **Magaziner J, Hawkes W, Hebel JR, Zimmerman SI, Fox KM, Dolan M, et al. Recovery from hip fracture in eight areas of function. Journal of Gerontology: Medical Sciences 2000;55A(9):M498-507. ***Leibson CL, Toteson ANA, Gabriel SE, Ransom JE, Melton JL III. Mortality, disability, and nursing home use for persons with and without hip fracture: a population-based study. Journal of the American Geriatrics Society 2002;50:1644-50.